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- (71) Applicant (*for all designated States except US*): **LONZA INC.** [US/US]; 17-17 Route 208, Fair Lawn, NJ 07410 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **JIANG, Xiao** [CA/US]; 15 Cummington Lane, Flemington, NJ 08822 (US). **TAFESH, Ahmed, M.** [US/US]; 328 Yale Court, Allentown, PA 18104 (US). **WILLIAMS, Joseph, B.** [US/US]; One Bunker Hill Court, Easton, PA 18040 (US). **CASH, Howard, Allen** [US/US]; 638 Sycamore Lane, North Brunswick, Middlesex, NJ 08092 (US). **GEICK, Kenneth, S.** [—/US]; Apt. 11, 14 Lamont Avenue, Mercerville, NJ 08619 (US).
- (74) Agents: **SULLIVAN, Robert, C.** et al.; Darby & Darby P.C., P.O.Box 5257, New York, NY 10150-5257 (US).
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(54) Title: **ANTIMICROBIAL LUBRICANT FOR WOOD FIBER-PLASTIC COMPOSITES**

(57) **Abstract:** The invention relates to a polymer-cellulosic fiber composition comprising a polymer, a cellulosic fiber, and a quaternary ammonium alkyl salt wherein the latter imparts antimicrobial properties to the composition and functions as a lubricant during the formation of the composition. The quaternary ammonium alkyl salts may be alkyl carboxylate, alkyl sulfate, alkyl sulphonate, alkyl phosphate, or alkyl phosphite. Certain of the salts are new compositions of matter. The method of extruding and the extrudate are also claimed.

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